

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  P70852W000	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, Item 5 below.
International application No.  PCT/GB2005/000468	International filing date (day/month/year)  11/02/2005	(Earliest) Priority Date (day/month/year)  17/02/2004	
Applicant  KRAFT FOODS R&D, INC.			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of Invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1b

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

## Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An insert (400) for use in a beverage preparation machine (201) of a type comprising a brew head (250) suitable for receiving a rigid or semi-rigid cartridge (1). The brew head (250) comprises an upwardly directed inlet (253) for supplying water to the brew head (250), a downwardly directed outlet (254) for outflow of beverage produced by the machine (201), and a closure mechanism moveable between open and closed configurations. The insert (400) comprises a receptacle (401) and sealing means (403), the receptacle (401) having an opening through which, in use, a quantity of beverage ingredients may be loaded into the receptacle, a lower portion of the insert comprising an inlet (405) and an outlet (404). In use, on insertion of the insert (400) into the brew head (250) of the beverage preparation machine (201) and movement of the closure mechanism into the closed position the sealing means (403) is contactable with, and sealable against, the brew head (250) to thereby close the opening of the receptacle (401) to define a brewing volume containing the quantity of beverage ingredients, and on inserting the insert (400) into the brew head (250) the inlet (405) and outlet (404) of the insert (400) are arranged to communicate respectively with the inlet (253) and outlet (254) of the brew head (250) such that, in use, water from the inlet (253) of the brew head (250) passes upwardly through the inlet (405) of the insert (400) into the brewing volume and such that beverage produced from the water and the quantity of beverage ingredients passes downwardly through the outlet (404) of the insert (400) to flow out of the outlet (254) of the brew head (250).

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A47J31/06 A47J31/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 762 987 A (PLEISCH JEAN-PIERRE ET AL) 9 June 1998 (1998-06-09) figures 2,4,6,10-12 column 1, line 53 - line 58 column 9, line 22 - line 27 column 9, line 33 - line 44 column 9, line 53 - line 57 column 11, line 24 - line 39 column 11, line 40 - line 52 column 12, line 7 - line 10 -----           US 2 243 895 A (BROWN WILLIAM F) 3 June 1941 (1941-06-03) figures 7,8 page 1, column 1, line 37 - line 46 page 2, column 2, line 41 - line 60 page 3, column 1, line 1 - line 9 -----           -----	1,41,56
A		1,41,56

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the international filing date
- °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the international filing date but later than the priority date claimed

°T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

°X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

°Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

°&° document member of the same patent family

Date of the actual completion of the International search

28 April 2005

Date of mailing of the International search report

09/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Sainz Martinez, M

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 794 519 A (FISCHER DANIEL) 18 August 1998 (1998-08-18) abstract figure 5 -----	1,41,56

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